AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A multi-nuclear metal molecule beam apparatus, which generates an ion beam by using a multi-nuclear metal molecular metal cluster complex, wherein the metal cluster complex is vaporized or atomized, and the metal cluster complex that is vaporized or atomized is ionized.

Claim 2 (Cancelled)

- 3. (Currently Amended) The multi-nuclear metal molecular beam apparatus as claimed in claim-2_1, wherein the multi-nuclear metal molecule metal cluster complex that is vaporized or atomized, is ionized by electron impact.
- 4. (Currently Amended) The multi-nuclear metal molecular beam apparatus as claimed in claim-2_1, wherein the multi-nuclear metal molecule metal cluster complex that is vaporized or atomized, is ionized by light irradiation.

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5. (Currently Amended) The multi-nuclear metal-molecular beam apparatus as claimed in claim-2_1, wherein the multi-nuclear metal-molecule metal cluster complex that is vaporized or atomized, is ionized by plasma.

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- 6. (Currently Amended) The multi-nuclear metal-molecular beam apparatus as claimed in claim-2_1, wherein the multi-nuclear metal molecule metal cluster complex that is vaporized or atomized, is ionized by an electric field.
- 7. (Currently Amended) The multi-nuclear metal-molecular beam apparatus as claimed in claim-21, wherein the multi-nuclear metal molecule metal cluster complex that is vaporized or atomized, is ionized by electric charge exchange of highly-excited electrons.
- 8. (Currently Amended) A The multi-nuclear metal-molecular beam apparatus-as elaimed in claim-1, which generates an ion beam by using a metal cluster complex, wherein the multi-nuclear metal molecule-metal cluster complex is vaporized and simultaneously ionized.
- 9. (Currently Amended) The multi-nuclear metal-molecular beam apparatus as claimed in claim 8, wherein the multi-nuclear metal molecule metal cluster complex is ionized by laser ablation.
- 10. (Currently Amended) The multi-nuclear metal-molecular beam apparatus as claimed in any one of claims 1, and 3 to 7, wherein the multi-nuclear metal molecule metal cluster

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<u>complex</u> is dissolved in a solvent and generated as mist, and the mist of the multi-nuclear metal molecule metal cluster complex is given an electric charge, to be ionized.

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11. (Currently Amended) A multi-nuclear metal-molecular beam apparatus, comprising: vaporization means for vaporizing or atomizing of a multi-nuclear metal molecule a metal cluster complex;

ionization means for ionizing the vaporized or atomized metal cluster complex;
acceleration means for accelerating the ionized metal cluster complex;
convergence means for converging an orbit of a beam of the metal cluster complex

scanning means for scanning with the beam of the metal cluster complex accelerated and

converged, toward a substrate, by making the orbit of the beam to be curved.

accelerated, by making the orbit to be curved; and